

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081517\  
 Data File : BM011249.D  
 Acq On : 16 Aug 2017 00:52  
 Operator : SJ/JU  
 Sample : I4795-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-1-COMP

Quant Time: Aug 16 01:45:45 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 01:32:19 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.29  | 152  | 84082    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.05 | 136  | 286270   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 13.96 | 164  | 177569   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 16.72 | 188  | 465211   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 20.94 | 240  | 535079   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.03 | 264  | 112997   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.93  | 112  | 253486   | 50.96 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 283301   | 40.09 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.43  | 82   | 346526   | 45.43 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.47 | 330  | 134678   | 47.32 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.56 | 172  | 580465   | 41.00 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.39 | 244  | 1105756  | 40.94 | ng    | 0.00     |

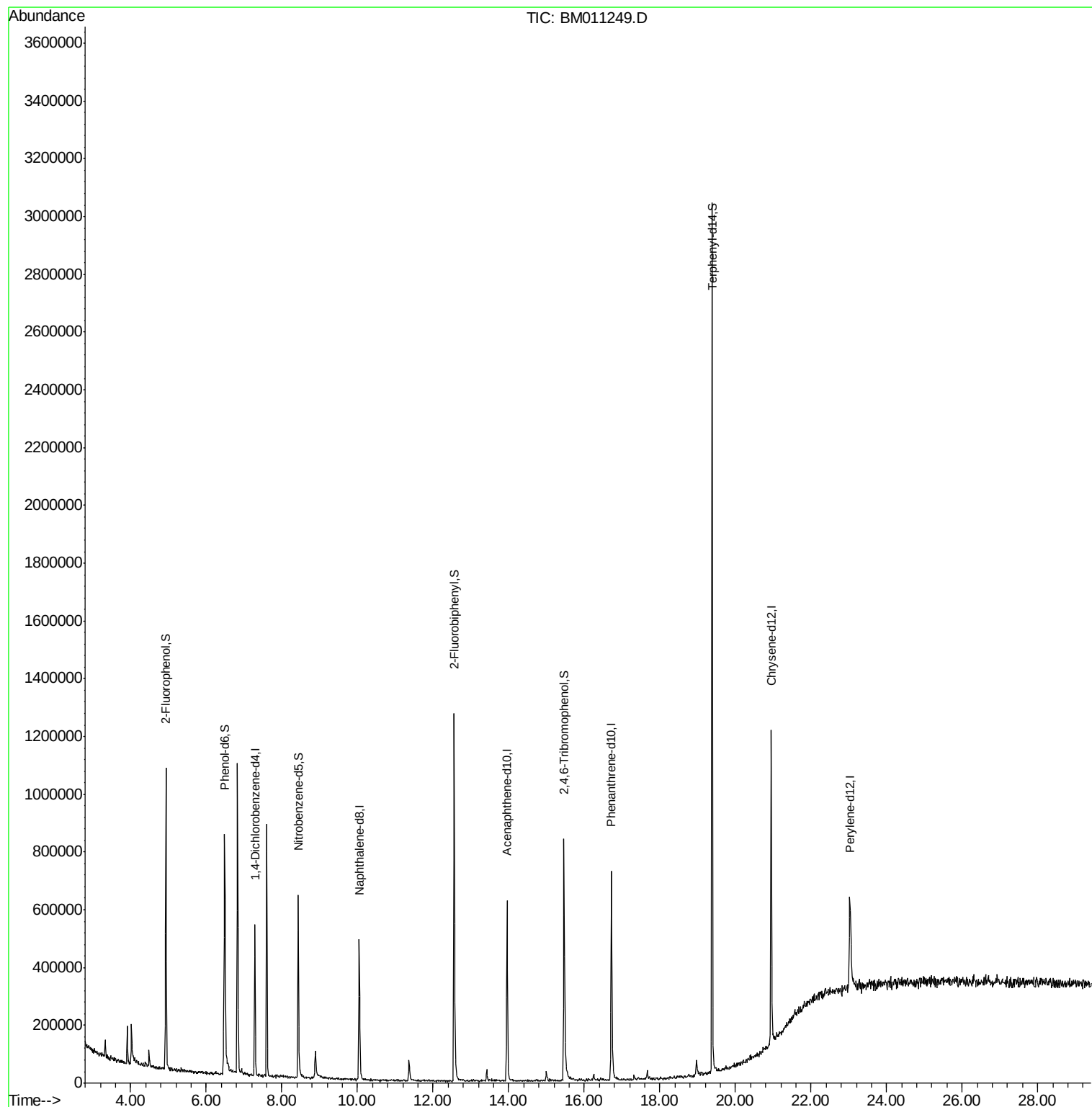
Target Compounds Qvalue

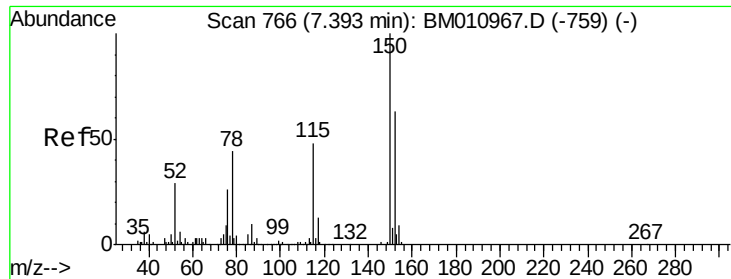
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 01:32:19 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 765

Delta R.T. 0.00 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

Instrument :

BNA\_M

ClientSampleId :

SP-1-COMP

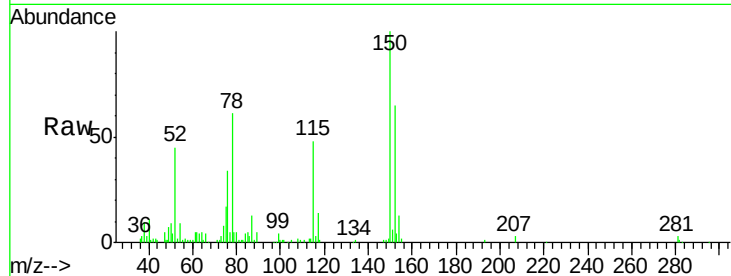
Tot Ion:152 Resp: 84082

Ion Ratio Lower Upper

152 100

150 152.8 119.5 179.3

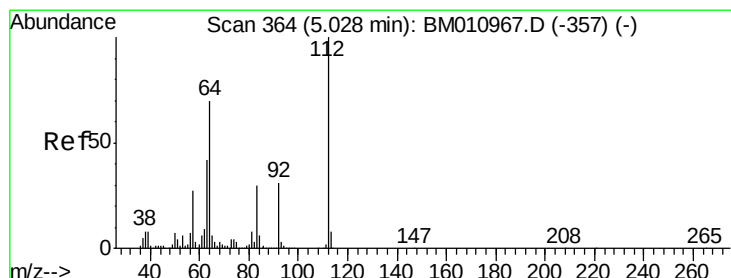
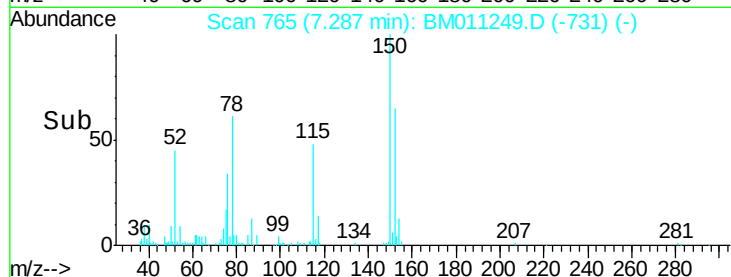
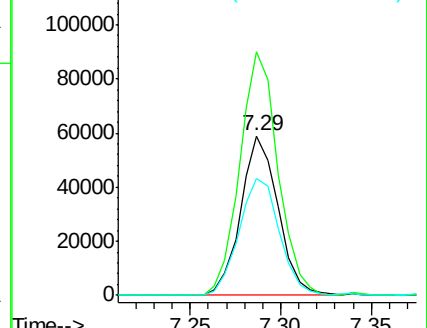
115 73.3 43.0 64.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 50.96 ng

RT: 4.93 min Scan# 364

Delta R.T. 0.00 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

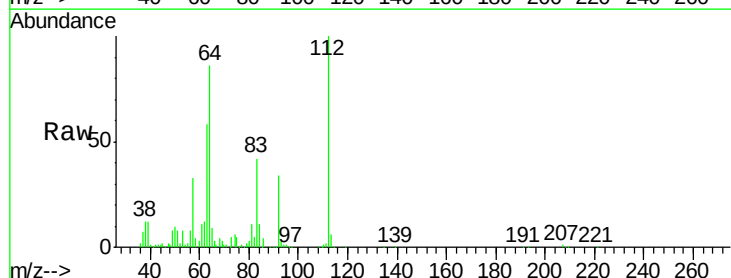
Tgt Ion:112 Resp: 253486

Ion Ratio Lower Upper

112 100

64 86.3 38.6 57.8#

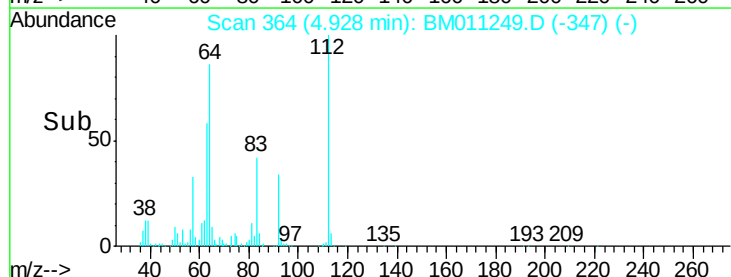
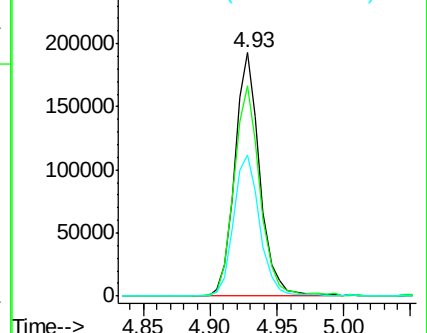
63 57.8 19.3 28.9#

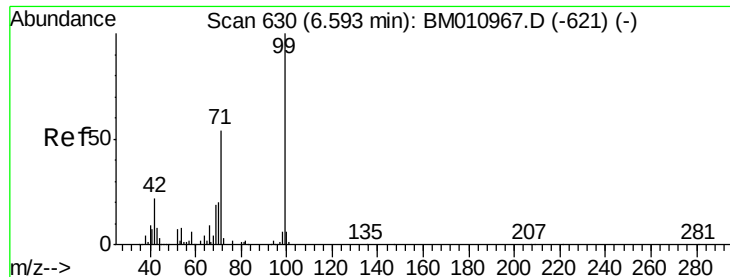


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 40.09 ng

RT: 6.49 min Scan# 629

Delta R.T. -0.01 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

Instrument :

BNA\_M

ClientSampleId :

SP-1-COMP

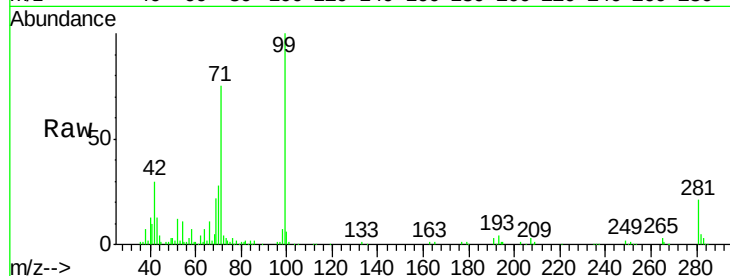
Tot Ion: 99 Resp: 283301

Ion Ratio Lower Upper

99 100

42 30.1 11.0 16.4#

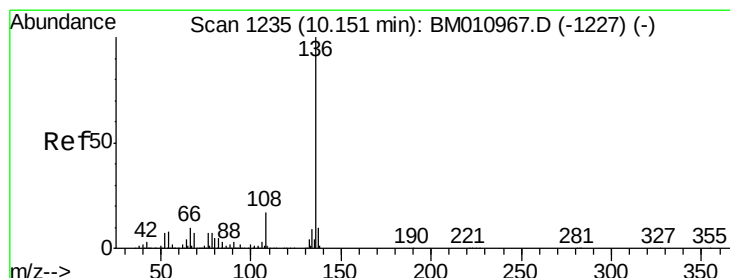
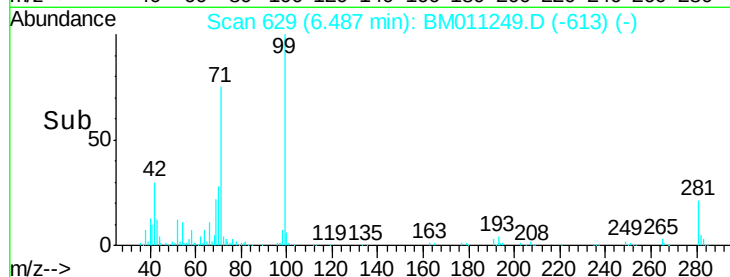
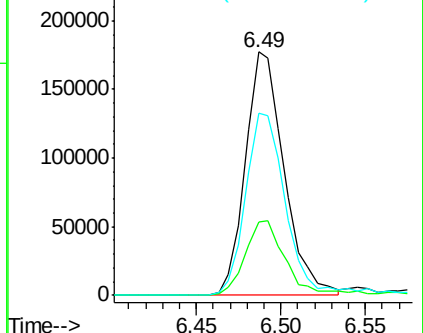
71 74.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011249.D (-613) (-)

Ion 42.00 (41.70 to 42.70): BM011249.D (-613) (-)

Ion 71.00 (70.70 to 71.70): BM011249.D (-613) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.05 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

Tgt Ion: 136 Resp: 286270

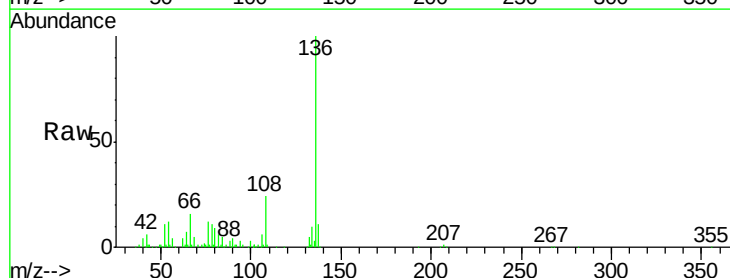
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.6 4.6 6.8#

68 5.3 3.7 5.5

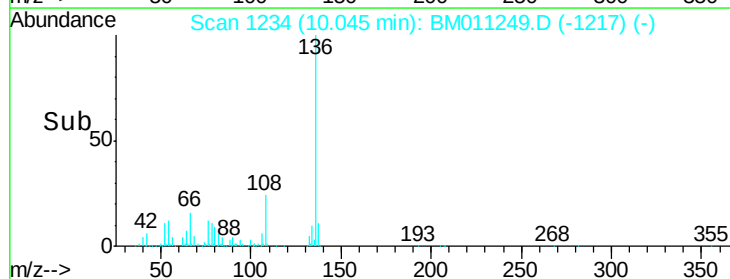
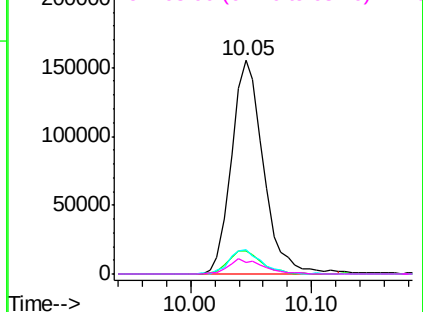


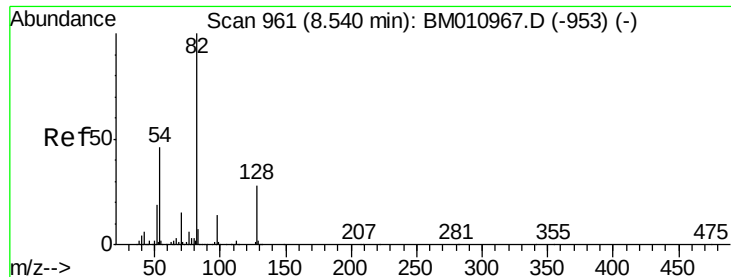
Abundance Ion 136.00 (135.70 to 136.70): BM011249.D (-1217) (-)

Ion 137.00 (136.70 to 137.70): BM011249.D (-1217) (-)

Ion 54.00 (53.70 to 54.70): BM011249.D (-1217) (-)

Ion 68.00 (67.70 to 68.70): BM011249.D (-1217) (-)

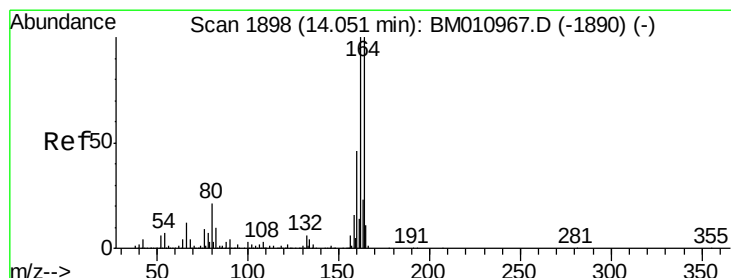
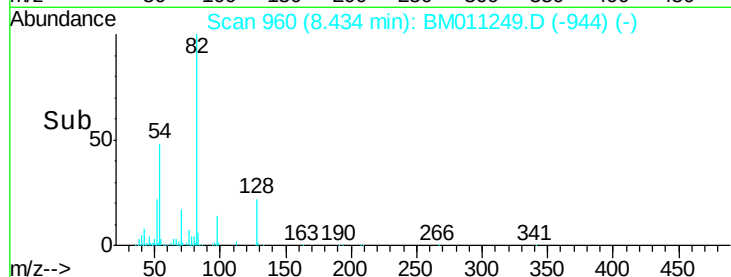
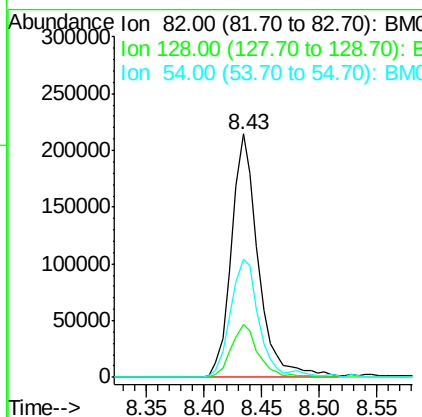
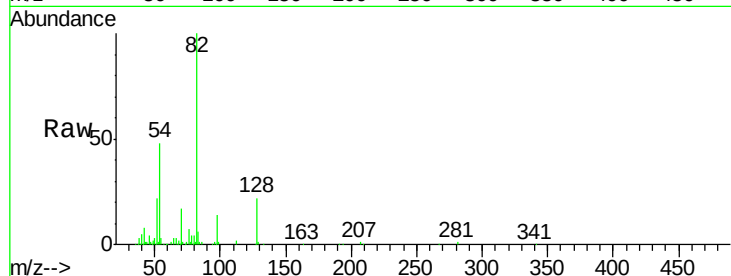




#23  
 Nitrobenzene-d5  
 Concen: 45.43 ng  
 RT: 8.43 min Scan# 960  
 Delta R.T. -0.01 min  
 Lab File: BM011249.D  
 Acq: 16 Aug 2017 00:52

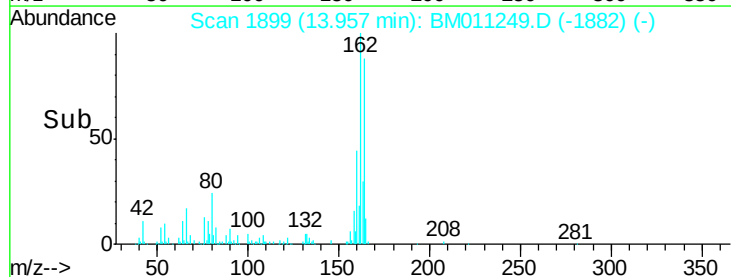
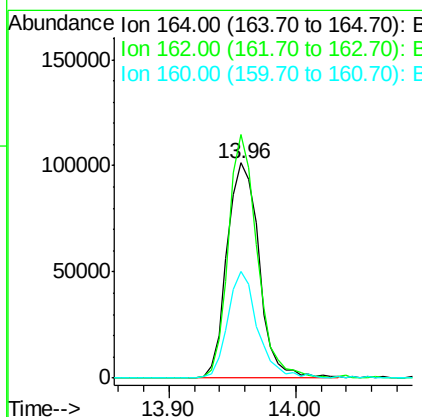
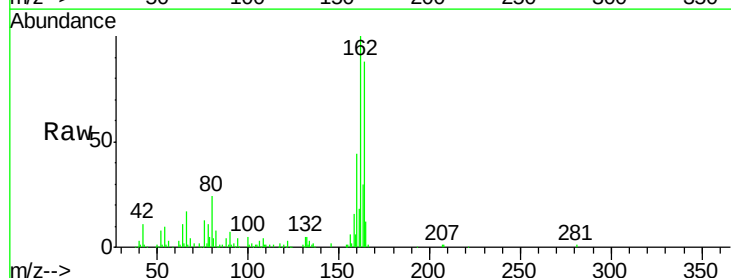
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-1-COMP

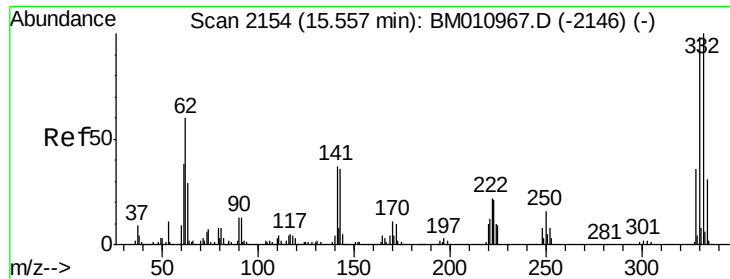
| Tot Ion   | 82    | Resp  | 346526 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 21.7  | 32.8  | 49.2#  |
| 54        | 48.4  | 40.6  | 60.8   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 13.96 min Scan# 1899  
 Delta R.T. 0.00 min  
 Lab File: BM011249.D  
 Acq: 16 Aug 2017 00:52

| Tgt Ion   | 164   | Resp  | 177569 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 113.1 | 82.4  | 123.6  |
| 160       | 49.7  | 35.8  | 53.6   |

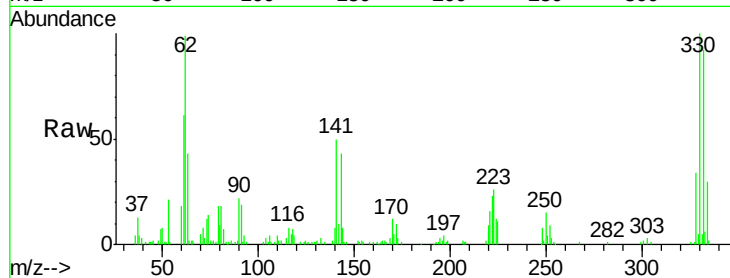




#41  
 2,4,6-Tribromophenol  
 Concen: 47.32 ng  
 RT: 15.47 min Scan# 2156  
 Delta R.T. 0.00 min  
 Lab File: BM011249.D  
 Acq: 16 Aug 2017 00:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SP-1-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 100.7 | 0.0   | 0.0#  |
| 141     | 52.6  | 0.0   | 0.0#  |

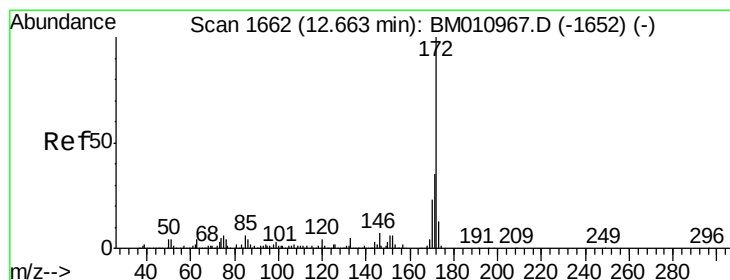
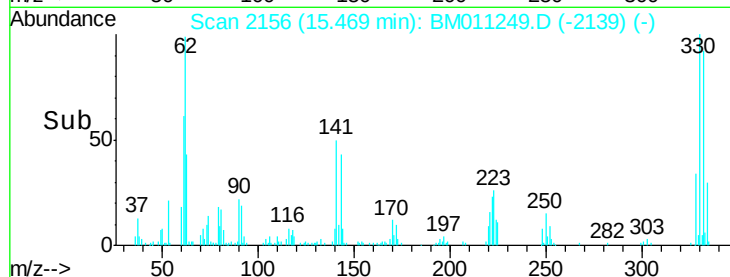
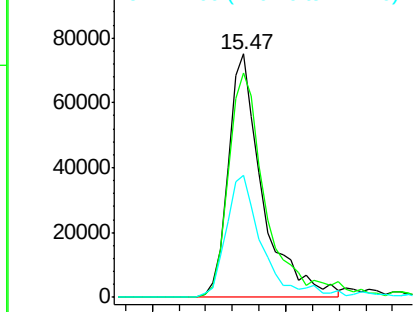


Abundance

Ion 329.80 (329.50 to 330.50): E

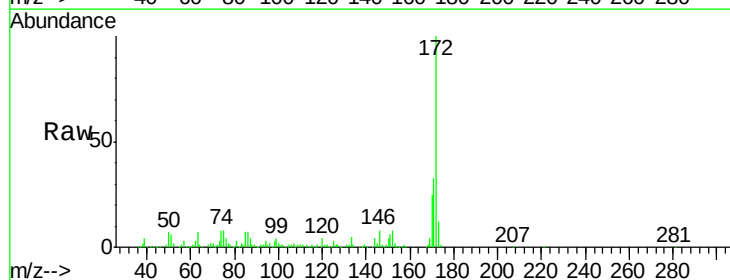
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 41.00 ng  
 RT: 12.56 min Scan# 1662  
 Delta R.T. 0.00 min  
 Lab File: BM011249.D  
 Acq: 16 Aug 2017 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.9  | 28.5  | 42.7  |
| 170     | 25.1  | 18.8  | 28.2  |

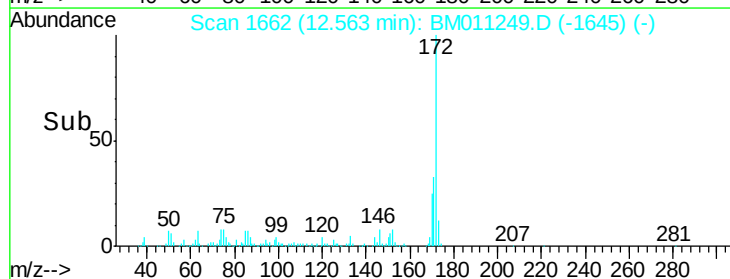
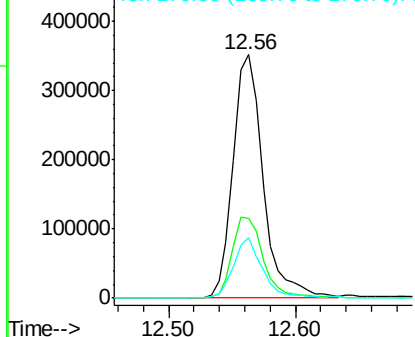


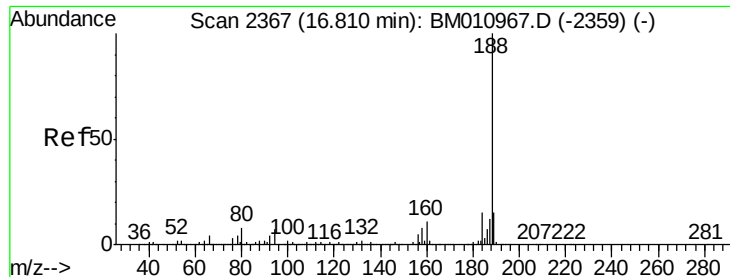
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

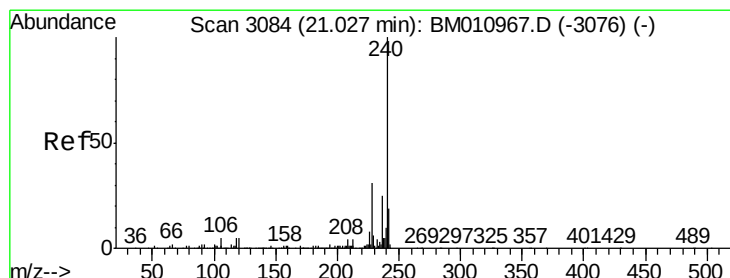
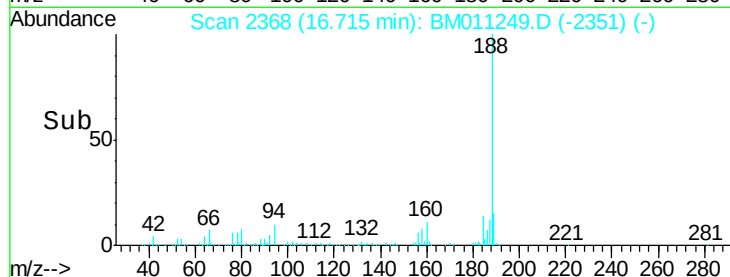
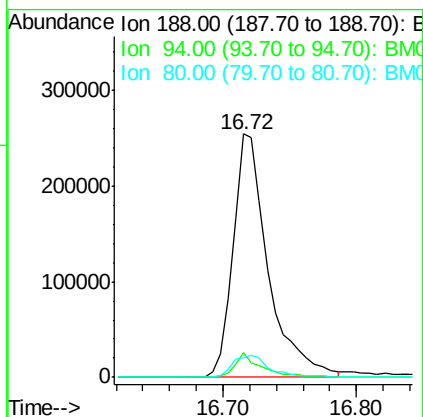
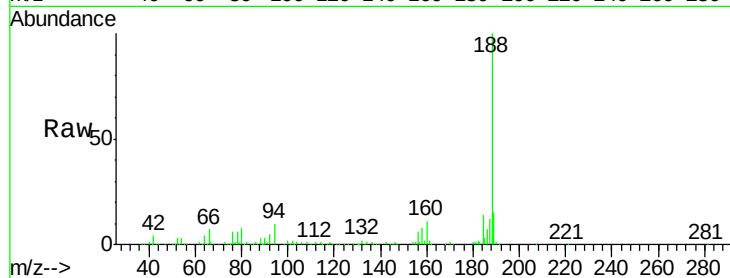




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.72 min Scan# 2368  
Delta R.T. 0.00 min  
Lab File: BM011249.D  
Acq: 16 Aug 2017 00:52

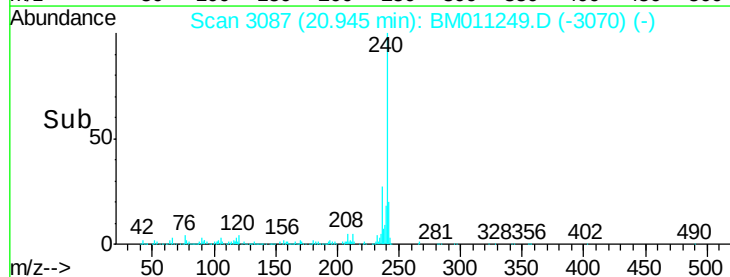
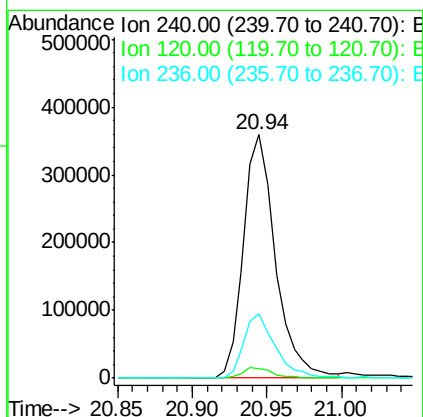
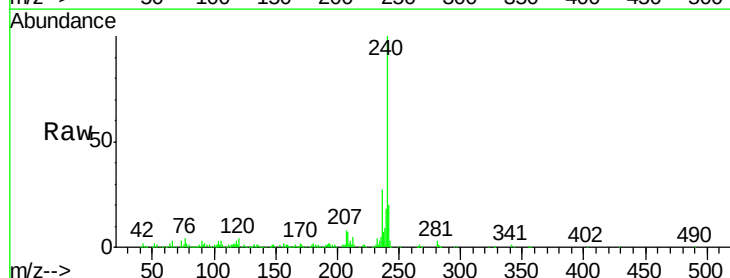
Instrument :  
BNA\_M  
ClientSampleId :  
SP-1-COMP

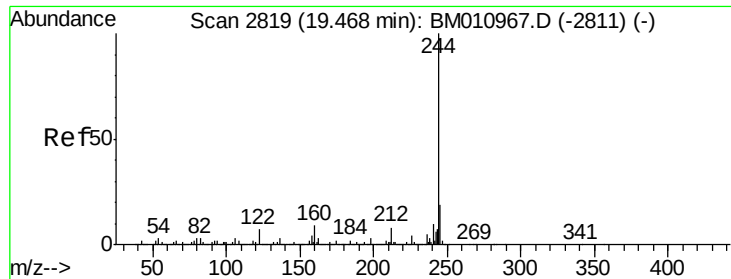
Tot Ion:188 Resp: 465211  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.7 13.1  
80 8.0 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 20.94 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: BM011249.D  
Acq: 16 Aug 2017 00:52

Tgt Ion:240 Resp: 535079  
Ion Ratio Lower Upper  
240 100  
120 3.9 8.2 12.2#  
236 26.6 20.0 30.0





#78

Terphenyl-d14

Concen: 40.94 ng

RT: 19.39 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

Instrument :

BNA\_M

ClientSampleId :

SP-1-COMP

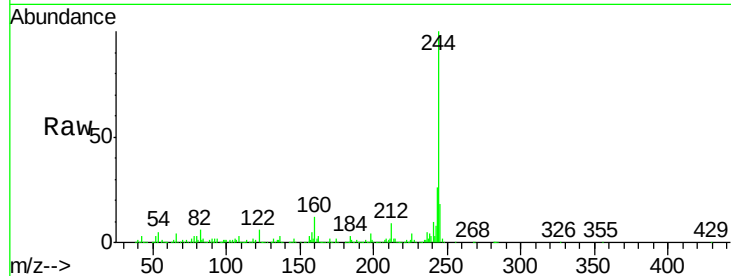
Tot Ion:244 Resp: 1105756

Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

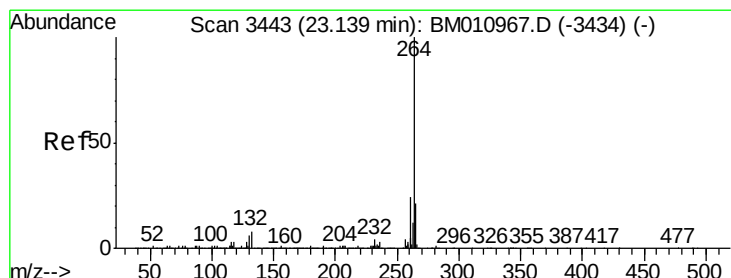
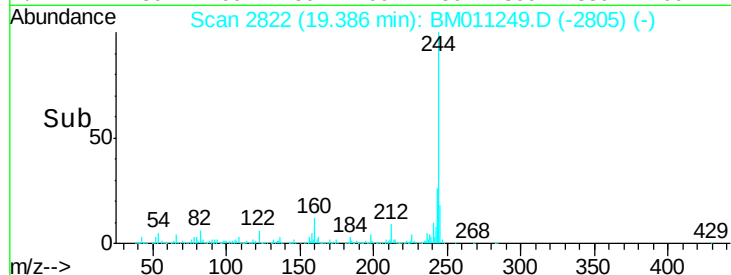
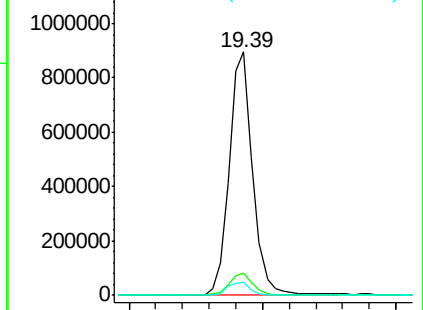
122 5.6 6.2 9.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.03 min Scan# 3441

Delta R.T. 0.01 min

Lab File: BM011249.D

Acq: 16 Aug 2017 00:52

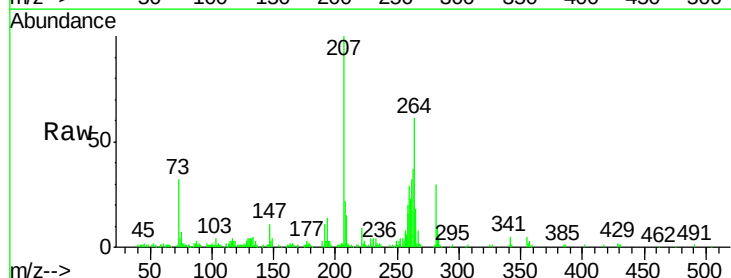
Tgt Ion:264 Resp: 112997

Ion Ratio Lower Upper

264 100

260 47.8 18.6 27.8#

265 29.6 17.3 25.9#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

